

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-092109

(43)Date of publication of application : 30.03.1990

(51)Int.Cl.

H03H 17/02
G06G 7/30

(21)Application number : 01-212874

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(22)Date of filing : 18.08.1989

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(30)Priority

Priority number : 88 234460 Priority date : 18.08.1988 Priority country : US

(54) INTERPOLATION METHOD AND DEVICE BETWEEN DATA SAMPLES

(57)Abstract:

PURPOSE: To obtain an interpolated value including accurate information by interpolating data samples so as to generate an interpolation value including frequency area information used to accurately copy a frequency spectrum of an analog signal.

CONSTITUTION: A signal processor 10 receives control information from an external signal source such as a time interval between display times t_S , a resampling time to execute interpolation of display at a time t_R , the number of times t_R , required for display at $B1S$, that is, a size of a data block. The signal processor 10 receives values V_S , t_S stored in a storage device 14 as required. The signal processor 10 receives the values V_S , t_S stored in a storage device 14. The signal processor 10 generates a series of interpolation values for display as a value V_{IV} based on control information and the values V_S , t_S generated externally. The value V_{IV} includes not only time area information but also frequency area information. Thus, both the time area information and the frequency area information included in a V_O signal are accurately copied by using the value V_{IV} .



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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